Electronic Version
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Claims

[c1] What is claimed is:

1. A method for transferring a command among a plurality of devices of a computer system to operate the computer system, the plurality of devices at least comprising a first storage device and a second storage device, the first storage device used for storing a first code, the method comprising:

(a)executing the first code in the first storage device;

(b)after proceeding with step (a), executing an examining process before the first storage device transfers the command to the second storage device;

(c)after proceeding with step (b), the first storage device transferring the command to the second storage device to operate the computer system when a result of the examining process is correct; and

(d)after proceeding with step (b), the first storage device not transferring the command to the second storage device when the result of the examining process is incorrect.

[c2] 2. The method of claim 1 wherein the second storage device stores a second code, the method further com-

prising:

(e)in step (b), examining whether a predetermined instruction of the second code conforms to a predetermined condition to determine whether the result of the examining process is correct or incorrect; and

(f)in step (c), executing the second code in the second storage device to operate the computer system after the first storage device transfers the command to the second storage device.

[c3] 3. The method of claim 2 wherein the computer system further comprises a register, the method further comprising:

(g) in step (e), recording the predetermined instruction of the second code into the register and then checking whether the predetermined instruction conforms to the predetermined condition to determine whether the result of the examining process is correct or incorrect.

[c4] 4. The method of claim 2 wherein the predetermined instruction is a first instruction of the second code.

[c5] 5. The method of claim 1 further comprising:

(h)in step (b), executing the examining process when a predetermined site of the first code is executed; and

(i)in step (d), executing a re-boot process or a debug process when the result of the examining process is in-

correct.

[c6] 6. The method of claim 1 wherein the first storage device is a read-only storage device (ROM), and the first code is a basic input output system (BIOS) of the computer system.

[c7] 7. The method of claim 1 wherein the second storage device is a random access storage device (RAM), and the second code is a basic input output system or an operating system of the computer system.

[c8] 8. The method of claim 1 wherein the computer system is a notebook computer, a personal computer system (PC), an information appliance, or a personal digital assistant (PDA).

[c9] 9. A method for switching a computer system from a standby mode to an operating mode, the computer system comprising:
a first storage device for storing a basic input output system (BIOS) of the computer system;
a second storage device for temporarily storing data;
the method comprising:
(a)utilizing the second storage device to store a condition before the computer system enters the standby mode;

(b)executing the BIOS in the first storage device to cease the standby mode;

(c)after proceeding with step (b), executing an examining process; and

(d)after proceeding with step (c), switching the computer system into the operating mode according to the condition stored in the second storage device when the result of the examining process is correct.

[c10] 10. The method of claim 9 further comprising:

(e)after proceeding with step (c), executing a re-boot process or a debug process when the result of the examining process is incorrect.

[c11] 11. The method of claim 9 wherein the computer system consumes less power in the standby mode than the computer system does in the operating mode.

[c12] 12. The method of claim 9 wherein the second storage device stores an application code, the application code corresponding to a condition before the computer system enters the standby mode, the method further comprising:

(f)in step (c), examining whether a predetermined instruction of the application code conforms to a predetermined condition to determine whether the result of the examining process is correct or incorrect; and

(g)in step (d), executing the application code in the second storage device to switch the computer system into the operating mode.

[c13] 13. The method of claim 12 wherein the computer system further comprises a register, the method further comprising:
(h)in step (f), recording the predetermined instruction of the application code into the register and then checking whether the predetermined instruction conforms to the predetermined condition to determine whether the result of the examining process is correct or incorrect.

[c14] 14. The method of claim 12 wherein the predetermined instruction is a first instruction of the application code.

[c15] 15. The method of claim 9 wherein the first storage device is a non-volatile read-only storage device.

[c16] 16. The method of claim 9 wherein the second storage device is a volatile random access storage device.

[c17] 17. The method of claim 9 wherein the computer system is a notebook computer, a personal computer system (PC), an information appliance, or a personal digital assistant (PDA).

[c18] 18. A method for transferring a command among plural-

ity of devices in a computer system, the method comprising:

(a)executing an examining process when transferring the command;

(b)in step (a), achieving the transfer of the command when a result of the examining process is correct; and

(c)in step (a), failing the transfer of the command when the result of the examining process is incorrect.

[c19] 19. The method of claim 18 wherein each device corresponds to an application code, the method further comprising:

(d)in step (a), when transferring the command, examining whether the application code corresponding to the device that is about to receive the command is correct or not; if the application code is correct, the result of the examining process is correct; if the application code is incorrect, the result of the examining process is incorrect.

[c20] 20. The method of claim 19 wherein each application code comprises a predetermined instruction or a predetermined tag, the examining process determines whether the application code is correct according to whether the predetermined instruction or the predetermined tag of the application code conforms to a predetermined condition.

[c21] 21. The method of claim 19 wherein each application code corresponds to a basic input/output system (BIOS).

[c22] 22. The method of claim 18 wherein the computer system is a notebook computer, a personal computer system (PC), an information appliance, or a personal digital assistant (PDA).